

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10586606"	US-PGPUB; USPAT	OR	ON	2009/06/24 14:20
S2	28	kerosene same (sulfur with "1 ppm")	US-PGPUB; USPAT; DERWENT	OR	ON	2009/06/24 14:21
S3	1	"20020179498"	US-PGPUB; USPAT	OR	ON	2009/10/12 15:41
S4	3	"2002018517"	DERWENT	OR	ON	2009/10/12 15:45
S5	72	208/219.ccls.	US-PGPUB; USPAT	OR	ON	2009/10/12 16:08
S6	109	208/245.ccls.	US-PGPUB; USPAT	OR	ON	2009/10/12 16:08
S7	158	208/246.ccls.	US-PGPUB; USPAT	OR	ON	2009/10/12 16:09
S8	124	208/248.ccls.	US-PGPUB; USPAT	OR	ON	2009/10/12 16:09
S9	166	208/250.ccls.	US-PGPUB; USPAT	OR	ON	2009/10/12 16:09
S10	0	"200349172"	JPO; DERWENT	OR	ON	2009/10/13 08:41
S11	4	"2003049172"	JPO; DERWENT	OR	ON	2009/10/13 08:41
S12	13553	desulfuriz\$5	US-PGPUB; USPAT	OR	ON	2009/10/13 08:59
S13	53445	kerosene or (gas adj oil)	US-PGPUB; USPAT	OR	ON	2009/10/13 08:59
S14	54240	thiophene or benzothiophene or dibenzothiophene	US-PGPUB; USPAT	OR	ON	2009/10/13 08:59
S15	2118	(solid adj acid adj catalyst) or ((proton adj type) with (faujasite or mordenite or (beta adj zeolite)))	US-PGPUB; USPAT	OR	ON	2009/10/13 09:01
S16	2733	S15 or (sulfated with (zirconia or alumina or (tin adj oxide) or (iron adj oxide)) or (tungstated with (zirconia or (tin adj oxide))))	US-PGPUB; USPAT	OR	ON	2009/10/13 09:02

S17	3532	adsorb\$3 with sulfur	US-PGPUB; USPAT	OR	ON	2009/10/13 09:02
S18	5182	adsor\$5 with sulfur	US-PGPUB; USPAT	OR	ON	2009/10/13 09:02
S19	5947	(silica adj alumina) with ratio	US-PGPUB; USPAT	OR	ON	2009/10/13 09:03
S20	52111	S16 or (activated adj carbon)	US-PGPUB; USPAT	OR	ON	2009/10/13 09:03
S21	5	S12 and S13 and S14 and S18 and S19 and S20	US-PGPUB; USPAT	OR	ON	2009/10/13 09:03
S22	12870	(solid adj acid adj catalyst) or (faujasite or mordenite or (beta adj zeolite))	US-PGPUB; USPAT	OR	ON	2009/10/13 09:10
S23	61165	S22 or (sulfated with (zirconia or alumina or (tin adj oxide) or (iron adj oxide)) or (tungstated with (zirconia or (tin adj oxide)))) or (activated adj carbon)	US-PGPUB; USPAT	OR	ON	2009/10/13 09:11
S24	28	S12 and S13 and S14 and S18 and S19 and S23	US-PGPUB; USPAT	OR	ON	2009/10/13 09:11
S25	4	"2001064214"	JPO; DERWENT	OR	ON	2009/10/13 09:30
S26	15033	desulfuriz\$5	EPO; JPO; DERWENT	OR	ON	2009/10/13 10:25
S27	24361	kerosene or (gas adj oil)	EPO; JPO; DERWENT	OR	ON	2009/10/13 10:25
S28	15970	thiophene or benzothiophene or dibenzothiophene	EPO; JPO; DERWENT	OR	ON	2009/10/13 10:25
S29	7933	(solid adj acid adj catalyst) or (faujasite or mordenite or (beta adj zeolite))	EPO; JPO; DERWENT	OR	ON	2009/10/13 10:26
S30	41120	S29 or (sulfated with (zirconia or alumina or (tin adj oxide) or (iron adj oxide)) or (tungstated with (zirconia or (tin adj oxide)))) or (activated adj carbon)	EPO; JPO; DERWENT	OR	ON	2009/10/13 10:26
S31	7	S26 and S27 and S28 and S30	EPO; JPO; DERWENT	OR	ON	2009/10/13 10:26
S32	13553	desulfuriz\$5	US-PGPUB; USPAT	OR	ON	2009/10/13 12:57

S33	54240	thiophene or benzothiophene or dibenzothiophene	US-PGPUB; USPAT	OR	ON	2009/10/13 12:57
S34	5182	adsor\$5 with sulfur	US-PGPUB; USPAT	OR	ON	2009/10/13 12:57
S35	5947	(silica adj alumina) with ratio	US-PGPUB; USPAT	OR	ON	2009/10/13 12:57
S36	12870	(solid adj acid adj catalyst) or (faujasite or mordenite or (beta adj zeolite))	US-PGPUB; USPAT	OR	ON	2009/10/13 12:57
S37	61165	S36 or (sulfated with (zirconia or alumina or (tin adj oxide) or (iron adj oxide)) or (tungstated with (zirconia or (tin adj oxide)))) or (activated adj carbon)	US-PGPUB; USPAT	OR	ON	2009/10/13 12:57
S38	38	S32 and S33 and S34 and S35 and S37	US-PGPUB; USPAT	OR	ON	2009/10/13 12:57
S39	72	208/219.ccls.	US-PGPUB; USPAT	OR	ON	2009/10/13 13:02
S40	109	208/245.ccls.	US-PGPUB; USPAT	OR	ON	2009/10/13 13:02
S41	158	208/246.ccls.	US-PGPUB; USPAT	OR	ON	2009/10/13 13:02
S42	124	208/248.ccls.	US-PGPUB; USPAT	OR	ON	2009/10/13 13:02
S43	166	208/250.ccls.	US-PGPUB; USPAT	OR	ON	2009/10/13 13:02
S44	56	(S39 or S40 or S41 or S42 or S43) and S37 and S33	US-PGPUB; USPAT	OR	ON	2009/10/13 13:02
S45	1	"02132186"	DERWENT	OR	ON	2009/10/13 14:27
S46	2	(S39 or S40 or S41 or S42 or S43) and S33 and ((activated adj carbon) same ((copper adj oxide) or CuO))	US-PGPUB; USPAT	OR	ON	2009/10/13 14:39
S47	3	"10932177"	US-PGPUB; USPAT	OR	ON	2009/10/13 14:40
S48	10	"208".clas. and S33 and ((activated adj carbon) same ((copper adj oxide) or CuO))	US-PGPUB; USPAT	OR	ON	2009/10/13 14:41

S49	11	"208".clas. and S33 and ((activated adj carbon) same ((copper adj oxide) or CuO or ((transition adj metal) with oxide)))	US-PPGPUB; USPAT	OR	ON	2009/10/13 15:44
S50	2	"2000234093"	JPO; DERWENT	OR	ON	2009/10/13 16:36
S51	2	"02132186"	JPO; DERWENT	OR	ON	2009/10/13 16:40
S52	8	"1142636"	EPO; DERWENT	OR	ON	2009/10/14 11:14
S53	1	(superacid adj catalyst) and (desulfuriz\$5 or (remov\$3 near2 sulfur)) and (\$2sorb\$3 with sulfur)	US-PPGPUB; USPAT	OR	ON	2010/04/13 13:29
S54	75	((superacid adj catalyst) or (sulfat\$3 near2 (zirconia or alumina or (tin adj oxide) or (iron adj oxide))) or (tungstat\$3 near2 (zirconia or (tin adj oxide)))) and (desulfuriz \$5 or (remov\$3 near2 sulfur)) and (\$2sorb\$3 with sulfur)	US-PPGPUB; USPAT	OR	ON	2010/04/13 13:31
S55	92	((superacid adj catalyst) or (sulfat\$3 near2 (zirconia or alumina or (tin adj oxide) or (iron adj oxide))) or (tungstat\$3 near2 (zirconia or (tin adj oxide)))) and (desulfuriz \$5 or (remov\$3 near2 sulfur)) and ((absor\$5 or adsor\$5) with sulfur)	US-PPGPUB; USPAT	OR	ON	2010/04/13 13:46
S56	24	S55 not S54	US-PPGPUB; USPAT	OR	ON	2010/04/13 13:47
S57	14	"5935422"	US-PPGPUB; USPAT	OR	ON	2010/06/23 16:21
S58	3	"2003020850"	DERWENT	OR	ON	2010/06/23 16:22
S59	197	(super\$6 or (super adj strong)) adj acid adj catalyst	US-PPGPUB; USPAT	OR	ON	2011/01/26 10:29
S60	19	S59 and (desulfuriz\$5 or ((remov\$3 or lower\$3 or adsorb\$3) with sulfur))	US-PPGPUB; USPAT	OR	ON	2011/01/26 10:29
S61	312	(((superstrong or (super adj strong)) adj acid) or superacid) adj catalyst	US-PPGPUB; USPAT	OR	ON	2011/01/26 10:31

S62	44	S61 and (desulfuriz\$5 or ((remov\$3 or lower\$3 or adsorb\$3) with sulfur))	US-PGPUB; USPAT	OR	ON	2011/01/26 10:31
S63	163	(((superstrong or (super adj strong) adj acid) or superacid) adj catalyst	EPO; JPO; DERWENT	OR	ON	2011/01/26 10:48
S64	4	S63 and (desulfuriz\$5 or ((remov\$3 or lower\$3 or adsorb\$3) with sulfur))	EPO; JPO; DERWENT	OR	ON	2011/01/26 10:48
S65	227	(sulfated adj (zirconia or alumina or (tin adj oxide) or (iron adj oxide))) or (tungstated adj (zirconia or (tin adj oxide)))	EPO; JPO; DERWENT	OR	ON	2011/01/26 10:50
S66	14	S65 and (desulfuriz\$5 or ((remov\$3 or lower\$3 or adsorb\$3) with sulfur))	EPO; JPO; DERWENT	OR	ON	2011/01/26 10:50
S67	804	(sulfated adj (zirconia or alumina or (tin adj oxide) or (iron adj oxide))) or (tungstated adj (zirconia or (tin adj oxide)))	US-PGPUB; USPAT	OR	ON	2011/01/26 10:51
S68	127	S67 and (desulfuriz\$5 or ((remov\$3 or lower\$3 or adsorb\$3) with sulfur))	US-PGPUB; USPAT	OR	ON	2011/01/26 10:51
S69	20	S67 and (adsorb\$3 with sulfur)	US-PGPUB; USPAT	OR	ON	2011/01/26 10:51
S70	373	208/299.ccls.	US-PGPUB; USPAT	OR	ON	2011/06/09 13:23
S71	0	"10515049"	US-PGPUB; USPAT	OR	ON	2011/06/09 13:25

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S/2	1	((desulfuriz\$5 or ((remov\$3 or lower\$3 or reduc\$4) near3 sulfur)) and (kerosene or (gas adj oil) or diesel) and thiophene and (solid near2 acid near2 catalyst) and zeolite).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/09 15:13

S73	2	((desulfuriz\$5 or ((remov\$3 or lower\$3 or reduc\$4) near3 sulfur)) and thiophene and (solid near2 acid near2 catalyst) and zeolite).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/09 15:14
S74	2	((desulfuriz\$5 or ((remov\$3 or lower\$3 or reduc\$4) near3 sulfur)) and thiophene and (solid near2 \$5acid near2 catalyst) and zeolite).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/09 15:16

6/20/2011 4:01:09 PM

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